

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				ATTY. DOCKET NO. COG-2-0981.01.US		SERIAL NO. 10/627,537	
				APPLICANT Sugar et al.			
				FILING DATE July 25,2003		GROUP 2618	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SN		4,121,221	10/1978	Meadows			
		4,599,734	07/1986	Yamamoto			
		4,639,914	01/1987	Winters			
		5,274,844	12/1993	Harrison et al.			
		5,394,435	02/1995	Weerackody			
		5,437,055	07/1995	Wheatley, III			
		5,457,808	10/1995	Osawa et al.			
		5,491,723	02/1996	Diepstraten			
		5,493,307	02/1996	Tsujimoto			
		5,507,035	04/1996	Bantz et al.			
		5,539,832	07/1999	Weinstein et al.			
		5,570,366	10/1996	Baker et al.			
		5,577,265	11/1996	Wheatley, III			
		5,610,617	03/1997	Gans et al.			
		5,752,173	05/1998	Tsujimoto			
		5,761,193	06/1998	Derango et al.			
		5,761,237	06/1998	Petersen et al.			
		5,812,531	09/1998	Cheung et al.			
		5,848,105	12/1998	Gardner et al.			
		5,898,679	04/1999	Brederveld et al.			
		5,912,921	06/1999	Warren et al.			
		5,930,248	07/1999	Langlet et al.			
		5,982,327	11/1999	Vook et al.			
		6,008,760	12/1999	Shattil			
		6,023,625	02/2002	Myers Jr.			
SN		6,037,898	03/2000	Parish et al.			

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		6,058,105	05/2000	Hochwald et al.			
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		6,118,788	09/2000	Kermani			
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		6,124,824	09/2000	Xu et al.			
		6,141,393	10/2000	Thomas et al.			
		6,141,567	10/2000	Youssefmir et al.			
		6,144,651	11/2000	Rinchiuso et al.			
		6,144,711	11/2000	Raleigh et al.			
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		6,298,092	10/2001	Heath, Jr.			
		6,307,882	10/2001	Marzetta			
SN		6,314,147	11/2001	Liang et al.			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SN		6,317,466	11/2001	Foschini et al.			
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		6,684,064	01/2004	Kazakevich et al.			
SN		6,687,492	02/2004	Sugar et al.			

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SN	6,763,073	07/2004	Foschini et al.				
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	2002/0118781	08/2002	Thomas et al.				
	2002/0122383	09/2002	Wu et al.				
	2002/0122501	09/2002	Awater et al.				
	2002/0127978	09/2002	Khatri				
	2002/0136170	09/2002	Struhsaker				
	2002/0141355	10/2002	Struhsaker et al.				
SN	2002/0147032	10/2002	Yoon et al.				
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SN		2002/0158801	10/2002	Crilly, Jr. et al.			
		2002/0159537	10/2002	Crilly, Jr.			
		2002/0172186	11/2002	Larsson			
		2002/0172269	11/2002	Xu			
		2002/0191535	12/2002	Sugiyama et al.			
		2002/0196842	12/2002	Onggosanusi et al.			
		2003/0002450	01/2003	Jalali et al.			
		2003/0022693	01/2003	Gerogiokas et al.			
		2003/0032423	02/2003	Boros et al.			
		2003/0048761	03/2003	Jarett			
		2003/0072379	04/2003	Ketchum			
		2003/0072382	04/2003	Raleigh et al.			
		2003/0108117	06/2003	Ketchum et al.			
		2003/0114108	06/2003	Frecassetti et al.			
		2003/0125040	07/2003	Walton et al.			
		2003/0125090	07/2003	Zeira			
		2003/0130012	07/2003	Brunner et al.			
		2003/0139194	07/2003	Onggosanusi et al.			
		2003/00162566	08/2003	Shapira et al.			
		2003/0161282	08/2003	Medvedev et al.			
		2003/0165189	09/2003	Kadous			
		2003/0181165	09/2003	Sugar et al.			
SN		2003/0181171	09/2003	Sim et al.			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SN		2003/0185309	10/2003	Pautler et al.			
↓		2004/0013212	01/2004	Benesty et al.			
↓		2004/0023621	02/2004	Sugar et al.			
↓		2004/002364	01/2004	Trikkonen et al.			
↓		2004/0184398	09/2004	Walton et al.			
↓		2004/0171385	09/2004	Haustein et al.			
↓		2003/0218973	11/2003	Oprea et al.			
↓		2003/0003880	01/2003	Ling et al.			
SN	*	2005/0094598	05/2005	Medvedev et al.			

  

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
SN		01/45300	06/2001	WO				
SN		02/03568	01/2002	WO				
SN	*	2107989	03/1998	RU				x
SN	*	2238611	10/2004	RU				x
SN	*	2005/100514	06/2005	RU				x

  

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SN		"BLAST High-Level Overview", Lucent Technologies, July 18, 2000.
SN		Aziz et al., "Indoor Throughput and Range Improvements Using Standard Complaint AP Antenna Diversity in IEEE 802.11a and ETSI HIPERLAN/2", Vehicular Technology Conference, 2002, VTC 2001, October 7-11, 2001, IEEE VTS 54 <sup>th</sup> , Vol. 4, pp. 2294-2298.
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SN		Briesemeister et al., "Role-Based Multicast in Highly Mobile but Sparsely Connect Ad-Hoc Networks"; First Annual Workshop on Mobile Ad Hoc Networking & Computing; pp. 45-50; August 2000.	
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SN		Golden et al., "Detection Algorithm and Initial Laboratory Results Using V-BLAST Space-Time Communication Architecture", Electronic Letters, January 7, 1999, Vol. 35, No. 1.	
SN		Golden et al., "V-BLAST: A High Capacity Space-Time Architecture for the Rich-Scattering Wireless Channel", Bell Laboratories, Lucent Technologies, Proc. Int'l Symposium on Advanced Radio Technologies, Boulder, CO, September 10, 1998.	
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SN		Morgan, "Interaction of Adaptive Antenna Arrays in an Arbitrary Environment", The Bell System Technical Journal, January 1965, pp. 23-47.	
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